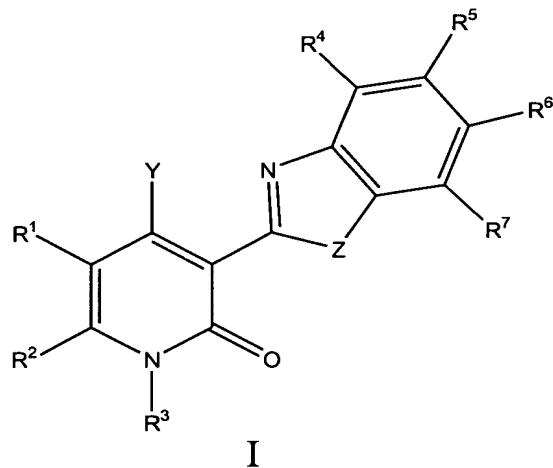


Pending Claims After Entry of Amendment

1. A compound having the structure I, a tautomer of the compound, a pharmaceutically acceptable salt of the compound, or a pharmaceutically acceptable salt of the tautomer



wherein,

Y is an -NR¹⁰R¹¹ group;

Z is an NR¹³ group;

R¹ and R² join to form a 6 membered substituted or unsubstituted ring comprising at least one O, N, or S atom;

R³ and R¹³ may be the same or different and are selected from the group consisting of H, -OH, substituted and unsubstituted alkoxy groups, substituted and unsubstituted aryloxy groups, -NH₂, substituted and unsubstituted alkylamino groups, substituted and unsubstituted arylamino groups, substituted and unsubstituted dialkylamino groups, substituted and unsubstituted diarylamino groups, substituted and unsubstituted (alkyl)(aryl)amino groups, substituted and unsubstituted heterocyclylamino groups, substituted and unsubstituted diheterocyclylamino groups, substituted and unsubstituted (alkyl)(heterocyclyl)amino groups, substituted and unsubstituted (aryl)(heterocyclyl)amino groups, substituted and unsubstituted

heterocyclyoxy groups, substituted and unsubstituted alkyl groups, substituted and unsubstituted aryl groups, -C(=O)H, -C(=O)-alkyl groups, and -C(=O)-aryl groups;

R⁴, R⁵, R⁶, and R⁷ may be the same or different and are independently selected from the group consisting of H, Cl, Br, F, I, -NO₂, -CN, -OH, -OR¹⁴ groups, -NR¹⁵R¹⁶ groups, -C(=O)R¹⁷ groups, -SH, -SR¹⁸ groups, -S(=O)R¹⁹ groups, S(=O)₂R²⁰ groups, substituted and unsubstituted amidinyl groups, substituted and unsubstituted guanidinyl groups, substituted and unsubstituted primary, secondary, and tertiary alkyl groups, substituted and unsubstituted aryl groups, substituted and unsubstituted alkenyl groups, substituted and unsubstituted alkynyl groups, substituted and unsubstituted heterocycl groups, substituted and unsubstituted alkylaminoalkyl groups, substituted and unsubstituted dialkylaminoalkyl groups, substituted and unsubstituted diarylaminoalkyl groups, substituted and unsubstituted (alkyl)(aryl)aminoalkyl groups, substituted and unsubstituted heterocyclalkyl groups, substituted and unsubstituted aminoalkyl groups, substituted and unsubstituted heterocyclaminoalkyl groups, substituted and unsubstituted diheterocyclaminoalkyl groups, substituted and unsubstituted (alkyl)(heterocycl)aminoalkyl groups, substituted and unsubstituted (aryl)(heterocycl)aminoalkyl groups, substituted and unsubstituted hydroxyalkyl groups, substituted and unsubstituted alkoxyalkyl groups, substituted and unsubstituted aryloxyalkyl groups, and substituted and unsubstituted heterocyclyoxyalkyl groups;

R¹⁰ is selected from the group consisting of H, substituted and unsubstituted alkyl groups, substituted and unsubstituted aryl groups, and substituted and unsubstituted heterocycl groups;

R¹¹ is selected from the group consisting of H, substituted and unsubstituted alkyl groups, substituted and unsubstituted aryl groups,

substituted and unsubstituted heterocyclyl groups, -OH, alkoxy groups, aryloxy groups, -NH₂, substituted and unsubstituted heterocyclalkyl groups, substituted and unsubstituted aminoalkyl groups, substituted and unsubstituted alkylaminoalkyl groups, substituted and unsubstituted dialkylaminoalkyl groups, substituted and unsubstituted arylaminoalkyl groups, substituted and unsubstituted diarylaminoalkyl groups, substituted and unsubstituted (alkyl)(aryl)aminoalkyl groups, substituted and unsubstituted alkylamino groups, substituted and unsubstituted arylamino groups, substituted and unsubstituted dialkylamino groups, substituted and unsubstituted diarylamino groups, substituted and unsubstituted (alkyl)(aryl)amino groups, -C(=O)H, -C(=O)-alkyl groups, -C(=O)-aryl groups, -C(=O)O-alkyl groups, -C(=O)O-aryl groups, -C(=O)NH₂, -C(=O)NH(alkyl) groups, -C(=O)NH(aryl) groups, -C(=O)N(alkyl)₂ groups, -C(=O)N(aryl)₂ groups, -C(=O)N(alkyl)(aryl) groups, -C(=O)-heterocyclyl groups, -C(=O)-O-heterocyclyl groups, -C(=O)NH(heterocyclyl) groups, -C(=O)-N(heterocyclyl)₂ groups, -C(=O)-N(alkyl)(heterocyclyl) groups, -C(=O)-N(aryl)(heterocyclyl) groups, substituted and unsubstituted heterocyclaminoalkyl groups, substituted and unsubstituted diheterocyclaminoalkyl groups, substituted and unsubstituted (alkyl)(heterocyclyl)aminoalkyl groups, substituted and unsubstituted (aryl)(heterocyclyl)aminoalkyl groups, substituted and unsubstituted hydroxyalkyl groups, substituted and unsubstituted alkoxyalkyl groups, substituted and unsubstituted aryloxyalkyl groups, and substituted and unsubstituted heterocyclyoxyalkyl groups;

R¹⁴ is selected from the group consisting of substituted and unsubstituted alkyl groups, substituted and unsubstituted aryl groups, substituted and unsubstituted heterocyclyl groups, substituted and unsubstituted heterocyclalkyl groups, -C(=O)H, -C(=O)-alkyl groups, -C(=O)-aryl groups, -C(=O)-heterocyclyl groups, -C(=O)NH₂, -C(=O)NH(alkyl) groups, -C(=O)NH(aryl) groups, -C(=O)N(alkyl)₂

groups, $-C(=O)N(aryl)_2$ groups, $-C(=O)N(alkyl)(aryl)$ groups, $-C(=O)NH-$ heterocycl l groups, $-C(=O)N-(heterocycl)_2$ groups, $-C(=O)N(alkyl)(heterocycl)$ groups, $-C(=O)N(aryl)(heterocycl)$ groups, substituted and unsubstituted aminoalkyl groups, substituted and unsubstituted alkylaminoalkyl groups, substituted and unsubstituted dialkylaminoalkyl groups, substituted and unsubstituted arylaminoalkyl groups, substituted and unsubstituted diarylaminoalkyl groups, substituted and unsubstituted (alkyl)(aryl)aminoalkyl groups, substituted and unsubstituted heterocyclaminoalkyl groups, substituted and unsubstituted diheterocyclaminoalkyl groups, substituted and unsubstituted (heterocycl)(alkyl)aminoalkyl groups, substituted and unsubstituted (heterocycl)(aryl)aminoalkyl groups, substituted and unsubstituted alkoxyalkyl groups, substituted and unsubstituted aryloxyalkyl groups, substituted and unsubstituted hydroxyalkyl groups, and substituted and unsubstituted heterocyclyoxyalkyl groups;

R^{15} is selected from the group consisting of H, substituted and unsubstituted alkyl groups, substituted and unsubstituted aryl groups, and substituted and unsubstituted heterocycl l groups;

R^{16} is selected from the group consisting of H, substituted and unsubstituted alkyl groups, substituted and unsubstituted aryl groups, substituted and unsubstituted heterocycl l groups, $-C(=O)H$, $-C(=O)-alkyl$ groups, $-C(=O)-aryl$ groups, $-C(=O)NH_2$, $-C(=O)NH(alkyl)$ groups, $-C(=O)NH(aryl)$ groups, $-C(=O)N(alkyl)_2$ groups, $-C(=O)N(aryl)_2$ groups, $-C(=O)N(alkyl)(aryl)$ groups, $-C(=O)O-alkyl$ groups, $-C(=O)O-aryl$ groups, substituted and unsubstituted aminoalkyl groups, substituted and unsubstituted alkylaminoalkyl groups, substituted and unsubstituted dialkylaminoalkyl groups, substituted and unsubstituted arylaminoalkyl groups, substituted and unsubstituted diarylaminoalkyl groups, substituted and unsubstituted (alkyl)(aryl)aminoalkyl groups, substituted and

unsubstituted heterocyclalkyl groups, -C(=O)-heterocyclyl groups, -C(=O)-O-heterocyclyl groups, -C(=O)NH(heterocyclyl) groups, -C(=O)-N(heterocyclyl)₂ groups, -C(=O)-N(alkyl)(heterocyclyl) groups, -C(=O)-N(aryl)(heterocyclyl) groups, substituted and unsubstituted heterocyclaminoalkyl groups, substituted and unsubstituted diheterocyclaminoalkyl groups, substituted and unsubstituted (heterocyclyl)(alkyl)aminoalkyl groups, substituted and unsubstituted (heterocyclyl)(aryl)aminoalkyl groups, substituted and unsubstituted hydroxyalkyl groups, substituted and unsubstituted alkoxyalkyl groups, substituted and unsubstituted aryloxyalkyl groups, and substituted and unsubstituted heterocyclyoxyalkyl groups;

R¹⁷, R¹⁹, and R²⁰ may be the same or different and are independently selected from the group consisting of H, -NH₂, -NH(alkyl) groups, -NH(aryl) groups, -N(alkyl)₂ groups, -N(aryl)₂ groups, -N(alkyl)(aryl) groups, -NH(heterocyclyl) groups, -N(heterocyclyl)(alkyl) groups, -N(heterocyclyl)(aryl) groups, -N(heterocyclyl)₂ groups, substituted and unsubstituted alkyl groups, substituted and unsubstituted aryl groups, -OH, substituted and unsubstituted alkoxy groups, substituted and unsubstituted heterocyclyl groups, substituted and unsubstituted aryloxy groups, heterocyclyoxy groups, -NHOH, -N(alkyl)OH groups, -N(aryl)OH groups, -N(alkyl)O-alkyl groups, -N(aryl)O-alkyl groups, -N(alkyl)O-aryl groups, and -N(aryl)O-aryl groups; and

R¹⁸ is independently selected from the group consisting of substituted and unsubstituted alkyl groups, and substituted and unsubstituted aryl groups.

2. The compound according to claim 1, wherein one of R¹⁰ or R¹¹ is H.
3. The compound according to claim 1, wherein R¹⁰ and R¹¹ are both H.

4. The compound according to claim 1, wherein R³ is H and R¹³ is H.
5. The compound according to claim 4, wherein R⁴ and R⁷ are hydrogen.
6. The compound according to claim 4, wherein R⁵ or R⁶ is an -OR¹⁴ group and R¹⁴ is an alkyl, aryl, heterocyclyl, or heterocyclalkyl group.
7. The compound according to claim 4, wherein R⁵ or R⁶ is a -OCH₂(CH₂)_q(heterocyclyl) group and q is 0, 1, 2, 3, or 4.
8. The compound according to claim 4, wherein R¹⁷ is selected from the group consisting of substituted and unsubstituted alkyl groups, substituted and unsubstituted aryl groups, -NH₂, -NH(alkyl) groups, -N(alkyl)₂ groups, -NH(aryl) groups, -N(aryl)₂ groups, -N(alkyl)(aryl) groups, -NH(heterocyclyl) groups, -N(heterocyclyl)(alkyl) groups, -N(heterocyclyl)(aryl) groups, -N(heterocyclyl)₂ groups, and N-containing heterocycles, wherein the N-containing heterocycles are bonded to the carbonyl carbon of the -C(=O)-R¹⁷ group through either a nitrogen atom or a carbon atom in the rings of the N-containing heterocycles.
18. A pharmaceutical formulation, comprising the compound according to claim 1 in combination with a pharmaceutically acceptable carrier.
19. A method of treating a patient in need of an inhibitor of vascular endothelial growth factor receptor tyrosine kinase, comprising administering an effective amount of the pharmaceutical formulation according to claim 18 to a patient in need thereof.
22. The compound according to claim 4, wherein one of R¹⁰ or R¹¹ is H.
23. The compound according to claim 4, wherein R¹⁰ and R¹¹ are both H.
24. The compound according to claim 4, wherein R¹ and R² join to form a substituted or unsubstituted 6 membered ring comprising at least one N atom.

25. The compound according to claim 4, wherein R¹ and R² join to form a substituted or unsubstituted 6 membered ring comprising one N atom.

26. The compound according to claim 4, wherein at least one of R⁵ or R⁶ is a substituted or unsubstituted heterocyclyl group.

27. The compound according to claim 4, wherein at least one of R⁵ or R⁶ is a substituted or unsubstituted heterocyclyl group comprising at least one O or N atom.

28. The compound according to claim 4, wherein at least one of R⁵ or R⁶ is a substituted or unsubstituted heterocyclyl group selected from the group consisting of morpholine, piperazine, piperidine, 1,2,3-triazole, 1,2,4-triazole, tetrazole, pyrrolidine, pyrazole, pyrrole, thiomorpholine, homopiperazine, benzimidazole, oxazolidin-2-one, pyrrolidin-2-one, imidazole, isoxazole, oxazole, isothiazole, thiazole, thiophene, furan, pyran, tetrahydrothiophene, tetrahydrofuran, tetrahydropyran, and pyridine.

29. The compound according to claim 4, wherein Y is selected from the group consisting of from -N(CH₃)₂, -NH(CH₃), -NH(CH₂CH₃), -N(CH₂CH₃)₂, -NH(aryl) groups, -N(aryl)₂ groups, -NNHNH₂, -NNH(CH₃)₂, -N(CH₃)NH(CH₃), -NH(CH₂)_mNH₂ groups, -NH(CH₂)_mNH(alkyl) groups, -NH(CH₂)_mN(alkyl)₂ groups, -N(alkyl)(CH₂)_mNH₂ groups, -N(alkyl)(CH₂)_mNH(alkyl) groups, -N(alkyl)(CH₂)_mN(alkyl)₂ groups, -NH(CH₂)_n(heterocyclyl) groups, -N(alkyl)[(CH₂)_n(heterocyclyl)] groups, -NH(CH₂)_mOH groups, -NH(CH₂)_mOCH₃ groups, -NHCH₂CH(NH₂)CH(CH₃)₂, -NH(2-aminocyclohexyl), -NH(cyclohexyl), -NHOCH₃, -NH(N-morpholinyl), and -NH(quinuclidyl), wherein m is 2, 3, or 4 and n is 0, 1, 2, or 3.